

AUTOMATED PHARMACOVIGILANCE PLATFORM



Industry Need

Safety case report volume is increasing by about 15% every year. Case intake is a highly manual process and is resulting in a disproportionate increase in the cost of managing safety operations. With advancements in machine learning (ML) and natural language processing (NLP), there is an opportunity to explore automation to gain efficiencies while staying compliant.



Key Solution Attributes/Tenets

Infosys pharmacovigilance automation leverages a case intake user interface in conjunction with Infosys artificial intelligence (AI) platform providing:

Bot engine to deploy Chat bot, Why bot, Check bot

Multiformat, multilingual case extraction through OCR, pattern recognition and NLP

Literature surveillance and mining through cognitive search and ranking (document to vector)

Adverse event classification and medical assessment through classification, neural networks, and deep learning algorithms

Ability to identify valid, invalid and duplicate cases through case characterization



Outcomes

Our solution brings effort reduction of upto 90% in case processing, time after time.

90%